



IFW

PTO/SB/21 (09-04)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10765,246
Filing Date	January 27, 2004
First Named Inventor	David R. Swenson
Art Unit	2881
Examiner Name	TBD
Attorney Docket Number	11460-130

### ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return postcard.
---	--	--

Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Perkins Smith & Cohen LLP		
Signature			
Printed name	John A. Hamilton		
Date	November 19, 2004	Reg. No.	48,946

### CERTIFICATE OF TRANSMISSION/MAILING

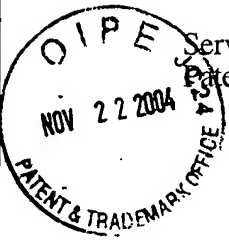
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	John A. Hamilton	Date	November 19, 2004


This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**CERTIFICATE OF MAILING**



I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: November 19, 2004.

  
John A. Hamilton  
Reg. No. 48,946

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): David R. Swenson

Application Serial No. 10/765,246

Filed: January 27, 2004

Group Art Unit: 2881

Examiner: TBD

Title: METHOD OF AND APPARATUS FOR MEASUREMENT AND CONTROL OF A GAS CLUSTER ION BEAM

PERKINS SMITH & COHEN LLP  
One Beacon Street  
Boston, MA 02108  
(617) 854-4000

To: Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

This Information Disclosure Statement (Form PTO-1449) is submitted under 37 CFR 1.97(e)(1), including copies of the cited non-patent references. Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office (PCT Receiving Office/US) in a counterpart foreign application no more than three months prior to the filing of this information disclosure statement.

In view thereof, no fee is required. If the payment of a fee is deemed necessary, please charge such fee to Deposit Account No. 03-2410, Order No. 11460-130.

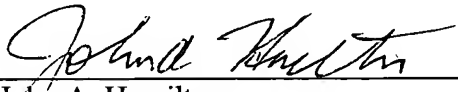
The following information is presented in the event that a call may be deemed desirable by the Examiner:

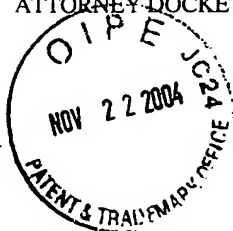
JOHN A. HAMILTON (617) 854-4000.

Respectfully submitted,  
David R. Swenson, Applicant

Dated: November 19, 2004

By:

  
\_\_\_\_\_  
John A. Hamilton  
Reg. No. 48,946  
Attorney for Applicant



**FORM PTO-1449**  
**U.S. DEPARTMENT OF COMMERCE**  
**PATENT AND TRADEMARK OFFICE**

ATTORNEY DOCKET NO.: 11460-130

APPLICATION SERIAL NO.: 10/765,246

GROUP ART UNIT: 2881

APPLICANT: David R. Swenson

EXAMINER: TBD

FILING DATE: January 27, 2004

CONFIRMATION NO.: 9561

PRIORITY DATE: January 27, 2003

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUB- CLASS	FILING DATE IF APPROPRIATE
	4,559,096	12/17/85	Friedman et al.	156/272.2	
	5,153,430	10/06/92	Gammel et al.	250/251	
	5,644,220	07/01/97	Urs et al.	324/71.3	
	6,060,718	05/09/00	Brailove et al.	250/505.1	

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUB- CLASS	TRANSLATION YES NO

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, etc.)

	Toyoda, N. et al. "Surface Processing by Gas Cluster Ion Beams." Ion Implant Technology, IEEE, Proceedings of the 11 <sup>th</sup> International Conference on, 16-21 June 1996. Pages 808-811.
	Mack, M.E. "Design Issues in Gas Cluster Ion Beamlines." Ion Implant Technology, IEEE, Proceedings of the 14 <sup>th</sup> International Conference on, 22-27 Sept. 2002. Pages 665-668.

**EXAMINER****DATE CONSIDERED**